

## **Agilent G5486A, G5487A BenchBot Robot – Site Preparation Checklist**

Thank you for purchasing an Agilent **G5486A, G5487A BenchBot Robot**. To get you started and to assure a successful and timely installation, please refer to this specification or set of requirements. Correct site preparation is the key first step in ensuring that your instruments and software systems operate reliably over an extended lifetime. This document is an **information guide AND checklist** prepared for you that outlines the supplies, consumables, space and utility requirements for your equipment.

## **Customer Responsibilities**

**Make sure your site meets the following specifications before the installation date. For details, see specific sections within this checklist, including:**

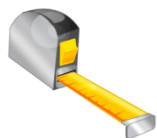
- ☐ The necessary laboratory or bench space is available
- ☐ The environmental conditions for the lab as well as laboratory gases and plumbing
- ☐ The power requirements related to the product (e.g., number & location of electrical outlets)
- ☐ The required operating supplies necessary for the product and installation
- ☐ Please consult Other Requirements section below for other product-specific information.
- ☐ For more details, please consult the Agilent BenchBot Safety and Installation Guide (part number G5486-90001).

**If Agilent is delivering installation and familiarization services, users of the instrument should be present throughout these services; otherwise, they will miss important operational, maintenance and safety information.**

## **Important Customer Information**

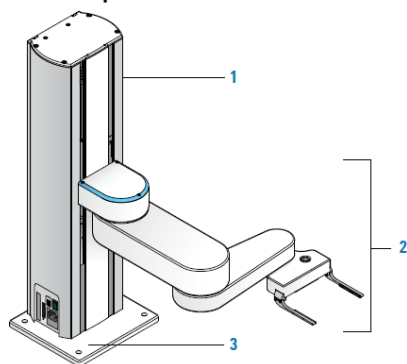
1. If you have questions or problems in providing anything described as a Customer Responsibility above, please contact your local Agilent or partner support/service organization for assistance prior to delivery. In addition, Agilent and/or its partners reserve the right to reschedule the installation dependent upon the readiness of your laboratory.
2. Should your site not be ready for whatever reasons, please contact Agilent as soon as possible to re-arrange any services that have been purchased.
3. Other optional services such as additional training, operational qualification (OQ) and consultation for user-specific applications may also be provided at the time of installation when ordered with the system, but should be contracted separately.

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### Dimensions and Weight

Main components



| Item | Name            | Description  |
|------|-----------------|--|
| 1    | Mast, or z-axis | The vertical structure along which the robot arm moves up and down.                |
| 2    | Arm             | The appendage that consists of the bicep, forearm, hand, and grippers.             |
| 3    | Base            | The plate at the bottom of the mast that attaches the robot to the target surface. |

Identify the laboratory bench space before your system arrives based on the table below.

Pay special attention to the **total height and total weight requirements for all system components you have ordered and avoid bench space with overhanging shelves.**

### Special Notes

See the Agilent BenchBot Safety and Installation Guide (part number G5486-90001) for details on workstation table requirements.

| Instrument Description        | Weight |     | Height |      | Depth |    | Width |     |
|-------------------------------|--------|-----|--------|------|-------|----|-------|-----|
|                               | Kg     | lbs | cm     | in   | cm    | in | cm    | in  |
| G5486A, G5487A BenchBot Robot | 19     | 42  | 68.2   | 26.8 | 48.4  | 19 | 23.5  | 9.3 |



### Environmental Conditions

Operating your instrument within the recommended temperature ranges insures optimum instrument performance and lifetime.

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### Special Notes

1. Performance can be affected by sources of heat & cold e.g. direct sunlight, heating/cooling from air conditioning outlets, drafts and/or vibrations.
2. The site's ambient temperature conditions must be stable for optimum performance.

| Instrument Description        | Operating temp range °C (F) | Operating humidity range (%) | Heat Dissipation (BTU)      |
|-------------------------------|-----------------------------|------------------------------|-----------------------------|
| G5486A, G5487A BenchBot Robot | 4-40 °C                     | 10-90% RH, non-condensing    | 682.4/hr<br>(200 W typical) |



### Power Consumption

### Special Notes

3. If a computer system is supplied with your instrument, be sure to account for those electrical outlets.

| Instrument Description        | Line Voltage & Frequency (V, Hz) | Maximum Power Consumption (VA) | Maximum Power Consumption (W) |
|-------------------------------|----------------------------------|--------------------------------|-------------------------------|
| G5486A, G5487A BenchBot Robot | 100-240 VAC @ 50/60 Hz           | 4 A                            | 200 W typical                 |



### Required Operating Supplies by Customer

### Special Notes

For information on Agilent consumables, accessories and laboratory operating supplies, please visit <http://www.agilent.com/en-us/products/automation-solutions/microplate-management-robotics>

| Item Description<br>(including dimensions etc)   | Vendor's Part Number<br>(if applicable) | Recommended Quantity |
|--|---|----------------------|
| Agilent BenchBot Robot Safety and Installation Guide   | G5486-90001                             | 1                    |
| Computer<br><br>If your organization uses a computer other than one configured by Agilent Technologies, make sure the computer meets the minimum requirements described in the link below: |   | 1                    |

## Agilent G5486A, G5487A BenchBot Robot – Site Preparation Checklist

|   |  |   |
|---|--|---|
| Automation Solutions VWorks Knowledge Base -<br><a href="http://www.agilent.com/chem/askb">http://www.agilent.com/chem/askb</a> |  |   |
| VWorks Automation Control Software  |  | 1 |



### Other Requirements

For robot mounting and attachment surface requirements, see the Agilent BenchBot Robot Safety and Installation Guide (part number G5486-90001).

### Important Customer Web Links

- ☐ How to get information on your product:
  - ☐ Automation Solutions VWorks Knowledge Base - <http://www.agilent.com/chem/askb>
  - ☐ Literature Library - <http://www.agilent.com/en-us/library/literature>
- ☐ Need to know more? - <http://www.agilent.com/chem/education>
- ☐ Need technical support, FAQs? - [www.agilent.com/crosslab](http://www.agilent.com/crosslab)
- ☐ Need supplies? - <http://www.agilent.com/en-us/products/automation-solutions/microplate-management-robotics>

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